P.1/15 NO.428

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| HDP/SB/21 based on PTO/SB/21 (08 |
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| TRANSMITTAL | | | ation Number | | 10/009,556 | |
| | ORM | • | Filing | | Novemi | per 13, 2001 |
| . • | CHIVI | | First i | lamed Inventor | Hiroshi | Katase et al |
| (to be used for all co | rrespondence after ir | nitial filing) | Group | Art Unit | | |
| | | Exami | ner Name | | | |
| Total Number of Pages in This Submission 15 | | | Attorno | ey Docket Number | 7991-00 | 00018 |
| | | ENCLO | SURES | (check all that apply) | | |
| | | ment Papers Application) | | After Grou | Allowance Communication to | |
| Fee Attached | I | ☐ Drawin | g(s) | | Appe Appe | eal Communication to Board of eals and Interferences |
| ☐ Amendment / Res | eponse | Licensi | ng-relate | d Papers | Appe (Appe | eal Communication to Group eal Notice, Brief, Reply Brief) |
| After Final | | Petition | - | | Prop | rletary Information |
| ☐ Affidavits/dec | daration(s) | | to Conv onal App | | Statu | a Letter |
| Extension of Time | e Request | Power of Change | of Attorne of Corn | ey, Revocation espondence Address | | er Enclosure(s) se Identify below): |
| Express Abandonment Request | | ☐ Terminal Disclaimer ☐ Request for Refund | | N | copy of Letter transmitting dissing Documents; Check for 130; Combined Declaration for | |
| ☐ Information Disclosure Statement | | CD, Number of CD(s) | | Fi II 16 N | atent & Power of Attorney; lecordation Form Cover Sheet a duplicate; Assignment; Check or \$40; Copy of Notification of lissing Requirements Under 35 I.S.C. 371; Transmittal form in uplicate; Fee Transmittal form. | |
| Certifled Copy of Document(s) | Priority | Remar | Remarks The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 to Deposit Account No. 08-0750. | | | uired under 37 CFR 1.16 or 1,17 |
| Response to Mise Incomplete Applic | ling Parts/ cation | | | | | |
| Response to Parts under 3 1.52 or 1.53 | | | | | | |
| | SIGNA | TURE OF A | PPLICA | NT, ATTORNEY, C | R AGENT | |
| Firm <i>or</i> Individual name | Harness, Dickey & | | Attomey Name | | | Reg. No. 20115 |
| Signature | | 2111 | / · · | | | |
| Date April 3, 2003 | | | | | | |
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| I hereby certify that th addressed to: Commi Trademark Office on t | issioner of Patenta at | nd Irademar | ited with ks, Wash | the United States Post Ington, D.C. 20231, or | al Service a facsimile tra | e first class mall in an envelope unsmitted to the U.S. Patent and |
| Typed or printed name | | | | | | |
| Signature | Va | II | 1 | a-/ | Date | April 3, 2003 |

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/009,556

Filing Date:

November 13, 2001

Applicant:

Hiroshi Katase et al

Group Art Unit:

(Unknown)

Examiner:

(Unknown)

Title:

Case

Attorney Docket:

7991-000018

Commissioner of Patents and Trademarks Washington, D.C. 20231

Attention: John L. Anderson -- FAX #703-305-3230

Sir:

Pursuant to our telephone conference I am FAXing to you a copy of the documents submitting the missing parts which were mailed to the Patent Office on November 20, 2002 by Certified Mail.

am also sending you a copy of the postcard acknowledging receipt of the documents on November 25, 2002.

Thus the missing part documents were effectively filed prior to the 32 month period.

P.3/15 NO.428

I appreciate your assistance in this matter and look forward to hearing from you after you have reviewed the file.

Respectfully submitted,

Joseph R. Papp, Reg. No. 20115

HARNESS, DICKEY & PIERCE, P.L.C.

Attorneys for Applicants

Dated: April 3, 2003

P.O. Box 828

Bloomfield Hills, Mi. 48303

248-641-1600

NO.428 P.4/15

Applicant: Hiroshi Katase et al Pase No.: 7991-000018 Serial No.: 10/009,556 Filing Date: 11/13/01

Title: Case

Please acknowledge receipt of: Letter transmitting Missing Documents; Check for \$130; Combined Declaration for Patent & Power of Attorney; Recordation Form Cover Sheet in duplicate; Assignment; Check for \$40; Copy of Notification of Missing Requirements Under 35 U.S.C. 371; Transmittal form in duplicate; Fee Transmittal form.

DT06 Rec'd PCT/PTO 2 5 NOV 2002

By stamping and returning to Harness, Dickey & Pierce, P.L.C. Duc: 11/22/2002

Attorney:







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HDP/SB/21 based on PTO/SB/21 (08-00)

| | - | Applicati | on Number | 10/009,556 | |
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| TRANSMITTAL | | Filing Da | ite | November | 13, 2001 |
| FORM | | First Na | ned inventor | Hiroshi Katase | |
| (to be used for all correspondence after in | lial filing) | Group A | t Unit | Unknown | |
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| Total Number of Pages in This Submission | 13 | 1 | Docket Number | 7991-0000 | 018 |
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| Fee Transmittal Form | ☐ Assign | ment Paper Application) | | Group | lowance Communication to |
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| Amendment / Response | Licen: | sing-related Papers | | Appes! | Communication to Group Notice, Brief, Reply Brief) |
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| Express Abandonment Request Information Disclosure Statement | | erminal Disclaimer equest for Refund cD, Number of CD(s) | | C | ster transmitting Missing ocuments; Check for \$130; ombined Declaration for Patent Power of Attorney; ecordation Form Cover Sheet; |
| | | | | Assignment; Check for \$40; Copy of Notification of Missing Requirements Under 35 U.S.C. 371 | |
| Certified Copy of Priority Document(s) | Rer | The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or to Deposit Account No. 0B-0750. A duplicate copy of this sheet is enclosed. | | nirad undar 3/ Crri 1/19 9/ /// | |
| Response to Missing Parts/ Incomplete Application | | | | | |
| Response to Missing Parts under 37 CFR 1.52 or 1.53 | | | | | |
| | ATURE O | F APPLIC | ANT, ATTORNEY, | OR AGEN | Γ |
| Firm or Individual name Hamess, Dickey | | At | tomey Name saph R. Papp | | Reg. No. 20115 |
| Signature S 1 | | | | | |
| Date November 20, 2 | | | | | |
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| I hereby certify that this correspondence addressed to: Commissioner of Patent Trademark Office on the date indicated | e and ned | leposited wit emarks, Wa | th the United States P shington, D.C. 20231, | ostal Service or facelmile | transmitted to the U.S. Patent and |
| Typed or printed name Joseph R. Papp | | | | | |
| Signature | igh | XI. | 1 | Date | November 20, 2002 |

2. EXTRA CLAIM FEES

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Utility immus fee (or release)

Patitions to the Commissioner

Processing fee under 37 CFR 1.17 (q)

Submission of Information Disclosure

Recording each patent assignment per property (times number of

For each additional invention to be

examined (97 CFR § 1.129(b))

Filing a submission after final rejection

November 20, 2002

40.00

Design issue fee

Plant Issue fee

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Date

(37 CFR § 1.129(a))

Under the Paperwork Reduction Act of 1985, no persons are required to respond to a collection of Information unless it displays a valid OMB control number. Complete If Known FEE TRANSMITTAL 10/009.558 Application Number for FY 2003 November 13, 2001 Riing Date Hiroshi Katase First Named Inventor Patent lees are subject to annual revision. Linknown Examiner Name Applicant claims small entity status, See 37 CFR 1.27 Unknown Group / Art Unit 7991-000018 Attorney Docket No. TOTAL AMOUNT OF PAYMENT 170 FEE CALCULATION (continued) METHOD OF PAYMENT (check all that apply) 3, ADDITIONAL FEES ☐ Credit card ☐ Money ☐ Other ☐ None ⊠ Check Lerge Entity Small Entity Deposit Account: Fee Code Fee Description Fee Paid (6) Code (3) Surchange - late filling fee or oath 130.00 Deposit 65 2051 130 1051 09-0750 Account Surcharge - late provisional filing fee 1052 50 2052 25 Number or cover sheet. 1053 130 Non-English specification 130 1053 Deposit For filing a request for reexamination Hamess, Dickey & Planta P.L.100C. 2,520 1812 2,520 1612 Account Requesting publication of SIR prior to 1804 1604 820 Name Examiner ection The Commissioner is authorized to: (check all that apply) Requesting publication of SIR after 1605 ☐ Charge (se(s) Indicated below ☐ Credit any overpayments 1895 1.840 1.8401 Examiner action Charge any additional tae(s) during the pendency of this application Expansion for raply within first month Charge fee(s) Indicated below, except for the filing fee 1251 110 2251 ББ to the above-identified deposit account. 400 2252 200 Extension for reply within second 1252 **FEE CALCULATION** Extension for reply within third month 920 2253 460 1253 BASIC FILING FEE Extension for reply within fourth 2254 720 1254 1,440 Small Entity Large Entity month Fee Description Fee (\$) 980 Fee Extension for reply within fifth month 1265 1,860 2255 Fee Paid Code Code **(E)** Notice of Appeal 2401 160 1401 320 Utility filing les 370 2001 1001 740 2402 160 Filing a brief in support of an appeal 1402 320 1002 330 2002 165 Dazien filing fae 140 Request for one hearing 2405 1403 2B0 255 Plant filling fee 2003 1003 **510** Petition to institute a public use 1451 1451 1.510 1004 740 2004 370 Raissus filing fee 1,510 proceeding Provisional filling tee 1005 160 2005 ٩D 2452 55 Petition to revive - unevoldable 1452 110 Patition to revive - unintentional 2453 BAD 1453 1.280 (S) O SUBTOTAL (1)

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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and sutherisation on PTC-1038.

This collection of information is required by 35 CFR 1,17 and 1,27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1,14. This collection is estimated to take 12 minutes to complete, including getwards, and submitting lite completed application form to the USPTO, Time will vary depending upon the individual case. Any dominants on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to this Chief information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231. If you need assistance in completing this form, cell 1-500-PTO-9199 (1-500-766-9199) and select option 2.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/009,556

Filing Date:

November 13, 2001

Applicant:

Hiroshi Katase et al

Group Art Unit:

(Unknown)

Examiner:

(Unknown)

Title:

Case

Attorney Docket:

7991-000018

Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

In response to the Notification of Missing Requirements Under 35 U.S.C. 371, enclosed are the following documents:

- Combined Declaration for Patent Application and Power of Attorney 1.
- Assignment 2.
- Cover Sheet for Recordal of Document (Patent) (in duplicate)
- Copy of Notification of Missing Requirements Under 35 U.S.C. 371 in the United 3. Designated/Elected Office (DO/EO/US) dated February 7, 2002 4.
- Check in the amount of \$130.00 covering the Late Filing Surcharge 6.

7. Check in the amount of \$40.00 covering assignment recordal fee Respectfully submitted,

Joseph R. Papp, Reg. No. 20115 HARNESS, DICKEY & PIERCE, P.L.C. Attorneys for Applicants

Dated: November 20, 2002

P.O. Box 828 Bloomfield Hills, Mi. 48303

248-641-1600



€ 5167.01(末)

Page 1 of 2 Pages

[X] Original

[] Substitute [] Supplemental.

Atty, Docket:

Combined Declaration for Patent Application and Power of Attorney

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

| | | "CASE" | | |
|--|--|--|--|----------------------------|
| the specification of w | vhich (check one) | • | | |
| [] | is attached hereto; | | | |
| [X] | was filed in the Uni | ted States under 35 U.S.C. §111 c | n November 13, 2001 as | |
| | U.S. Appln. No1 | 0/009,556 •; or | | |
| [X] | was/will be filed in | the U.S. under 35 U.S.C. §371 | by entry into the U.S. national stage of an interna | itional |
| | | | led March 22, 2000 , entry request | |
| | | | eived U.S. Appln. No*; §371/§102(| |
| | | _* (* if known) | | |
| and was amended on | <u>.</u> | | (if applicable). | |
| | | endments under PCT Art, 19 and 34 t | | |
| | | | the Patent and Trademark Office (PTO) all information | y any nation |
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SECLARATION AND POWER OF ATTORNEY

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States Provisional application(s) listed below:

PRIOR PROVISIONAL APPLICATIONS

| (application serial number) | (Month / Day / Ye | ar filed) |
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| (application serial number) | (Month / Day / Ye | ar, filed) |
| of this application is not disc provided by the first paragrap the duty to disclose material in | elow and, insofar as the subje closed in the prior United Sta h of Title 35, United States Co oformation as defined in Title 3 vailable between the filing date | ode, section 120 of any United of matter of each of the claims ates application in the mannerede, section 112, I acknowledge 7, Code of Federal Regulations of the prior application and the |
| Application Serial No. | Filing Date | Status - patented, pending, abandoned |
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| statements were made with the are punishable by fine or im- | e knowledge that willful false s prisonment, or both, under S such willful false statements m | o be true; and further that these tatements and the like so made section 1001 of Title 18 of the ay jeopardize the validity of the |
| substitution and revocation, to Patent and Trademark Office Office to direct all correspondences. | gistered Patent Attorney, mo prosecute this application an connected therewith. I requi ndence and telephone calls | Reg. No. 20115 mployee of Harness, Dickey & y attorney with full power of d to transact all business in the est the Patent and Trademark relative to this application to omfield Hills, Michigan 48303 |
| Full name of sole or first in | ventor: <u>HIROSH KA</u> Katase | TASE |
| Date:November 15, 200 | | |
| Residence: Furukawa-shi | | |
| Citizenship; | | |
| | 301, Inaba 3-chome, Furuk | awa-shi, Miyagi, Japan. |

SECLARATION AND POWER OF ATTORNEY

HARNESS, DICKEY & PIERCE TROY MI

E5167-01 Full name of second joint inventor, if any: SHINGO MIYAJIMA Date: November 15, 2002 Residence: ____urawa-shi, Saitama, Japan Citizenship: Japan Post Office Address: 21-33, Nakacho 4-chome, Urawa-shi, Saitama, Japan. Full name of third joint inventor, if any: ___KATSUTOSHI ITO Date: ____ November 15, 2002 Residence: ____Sendai-shi, Miyagi, Japan Citizenship: _____Japan 1-1-2-403, Aza Morishita, Shimoayashi, Aoba-ku, Post Office Address: ___Sendai-shi, Miyagi, Japan. Full name of fourth joint inventor, if any: Fourth Inventor's signature: _____ Date: _____ Residence: _____ Citizenship: _____ Post Office Address: Full name of fifth joint inventor, if any; Fifth Inventor's signature: Date: ____ Residence:

Citizenship:

Post Office Address: _____

| RECORDATION FORM | COVER SHEET S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office U.S. Patent and Trademark Office HDP Docket No. 7991-000018 |
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| → → → → → → → → → → → → → → → → → → → | lease Record the attached ong |
| To the Honorable Commissioner of Patents and Trademarks: Pl To the Honorable Commissioner of Patents and Trademarks: Pl 1. Name of conveying party(ies): Hiroshi Katase Shingo Miyajima Katsutoshi Ito Additional name of conveying party(ies) attached? ☐ Yes ☒ No 3. Nature of conveyance: ☐ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Other Execution Date: November 15, 2002 | Name: Melligosei Co., Ltd. Internal Address: Street Address: 140-5, Aza Shintakayachi Sakuranoma, Furukawa-shi City: Miyaqi 989-6233, Japan Zip: Additlonal Name(s) & address(es) attached? No |
| 4. Application number(s) or patent number(s): If this document is being filed together with a new applic A. Patent Application No.(s) 10/009,556 | B. Patent No.(s) |
| | ers attached? Tyes No 6. Total number of applications and patents involved: One |
| Name and address of party to whom correspondence concerning this document should be malled: Name: _Joseph R. Papp Internal Address: Harness, Dickey & Pierce, P.L.C. | 7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed Authorized to be charged to deposit account. |
| Street Address: P.O. Box 828 | 8. The Commissioner is hereby authorized to charge any addition fees that may be required or credit any overpayments to Depo Account No. 08-0750. A duplicate copy of this sheet is enclosed. |
| City: Bloomfield Hills Stale: MI Zip: 4830 | NOT USE THIS SPACE |
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and forect and any attached copy

Is a true copy of the original document.

Joseph B. Papp

Name of Person Signing

Name of Person Signing November 20, 2002

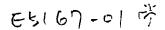
Total number of pages including cover sheet, attachments, and documents: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments

Washington, D.C. 20231





ASSIGNMENT

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by MEIJIGOSEI CO., LTD., a corporation organized under the laws of Japan, located at 140-5, Aza Shintakayachi, Sakuranome, Furukawa-shi, Miyagi 989-6233, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said MEIJIGOSEI CO., LTD., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

"CASE"

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith,

U.S. Serial No. 10/009,556 filed on November 13, 2001 and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said MEIJIGOSEI CO., LTp., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fullyand entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said MEIJIGOSEI CO., LTD.

| | Signed on the date(s) indi | icated aside signatures: | • |
|----|---|--------------------------|-----------|
| | INVENTOR (S) | Date Signed | WITNESSES |
| | (発明者フルネームサイン) | (署名日) | (立会人サイン) |
| 1) | Hiroshi Katase | November 15, 2002 | O Valos. |
| 2) | Shingo Miyajuna | November 15, 2002 | O. Solo |
| 3) | Shingh MIYAJIMA Katsuloshi Sto Katsutoshi ITO | November 15, 2002 | O. Jales |
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UNITED STATES PATENT AND TRADEMARK OFFICE

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ATTY. DOCKET NO. FIRST NAMED APPLICANT U.S. APPLICATION NUMBER NO. 7991-000018 Horishi Katase 10/009.556 INTERNATIONAL APPLICATION NO. PCT/JP00/01740 PRIORITY DATE LA. FILING DATE 03/22/2000

Joseph R Papp Hamess Dickey & Pierce PO Box 828 Bloomfield Hills, MI 48303

CONFIRMATION NO. 4601 371 FORMALITIES LETTER RA DIN DER COR DIN COR OLO ROMANTA DE LOS ROMANTAS DEL CORRECTION DE LOS REPUBBLICAS DE LA CORRECTION DE LOS R OC000000007425921

Date Mailed: 02/07/2002

NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated Office (37 CFR 1.494):

- U.S. Basic National Fees
- Capy of references cited in ISR
- Copy of the International Application
- Copy of the International Search Report
- English Translation of the IA
- Information Disclosure Statements
- Request for Immediate Examination

The following items MUST be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- \$130 Surcharge for providing the oath or declaration later than the appropriate 20 months months from the priority date (37 CFR 1.492(e)) is required.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTH FROM THE DAT OF THIS NOTICE OR BY 22 or 32 MONTHS (where 37 CFR 1.495 applies) FROM THE PRIORITY DATE FOI THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

SUMMARY OF FEES DUE:

P.15/15





Total additional fees required for this application is \$130 for a Large Entity:

• \$130 Late oath or declaration Surcharge.

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no, shown above (37 CFR 1.5)

A copy of this notice MUST be returned with the response.

JOHN L ANDERSON

Telephone: (703) 308-9116

PART 1 - ATTORNEY/APPLICANT COPY

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| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
| 10/009,556 | PCT/JP00/01740 | 7991-000018 |

FORM PCT/DO/EO/905 (371 Formulities Notice)